

Pre-Engineering

Associate in General Studies

Program/CIP Code: PRE.ENGR.AGS/24.0101

Credits Required: 62

Division: Math, Science & Business Technology

Contact: MSBT@kckcc.edu

Requirements for Admission to the program:

- No requirements for admission to the program.
- Contact program for program-specific advising.

College Requirement

	Course	Credit Hours
BLUE 0101	Freshman Seminar	1

General Education Requirements

	Course	Credit Hours
ENGL 0101	Composition I*	3
ENGL 0102	Composition II*	3
SPCH 0151 OR SPCH 0201	Public Speaking OR Interpersonal Communication	3
MATH 0122	Calculus and Analytic Geometry I**	5
	Humanities Elective (2 disciplines)	6
ECON 0201	Principals of Macroeconomics	3
	Social Science Elective (ANTH, SOSC)	3
CHEM 0111	College Chemistry I and Lab*	5
Total Hours for General Education Requirements		31

*See course syllabus for prerequisite.

**Math sequence is contingent upon previous high school mathematics background and transfer institution. Students should confer with an advisor to determine correct placement.

Pre-Engineering Requirements

Course		Credit Hours
BIOL0135	Cell and Molecular Biology	4
MATH 0123	Calculus and Analytic Geometry II**	5
MATH 0224	Calculus and Analytic Geometry III**	5
MATH 0227	Differential Equations**	3
NASC 0245	Engineering Physics I*	5
NASC 0246	Engineering Physics II*	5
NASC 0248 OR NASC 0249	Statics OR Dynamics	3
Total Hours for Pre-Engineering Requirements		30
*See course syllabi for Pre-Engineering course prerequisites.		

Total Hours for an Associate in General Studies in Pre-Engineering Degree	62
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